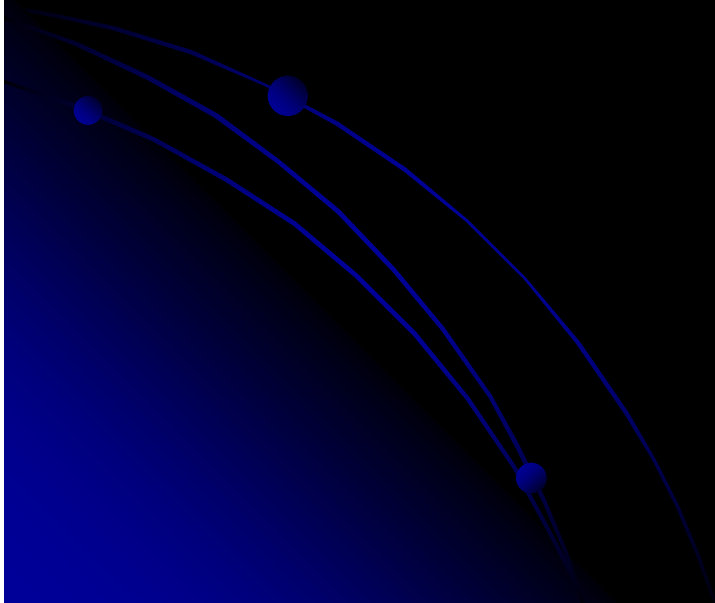


Behind the Scenes at KSC

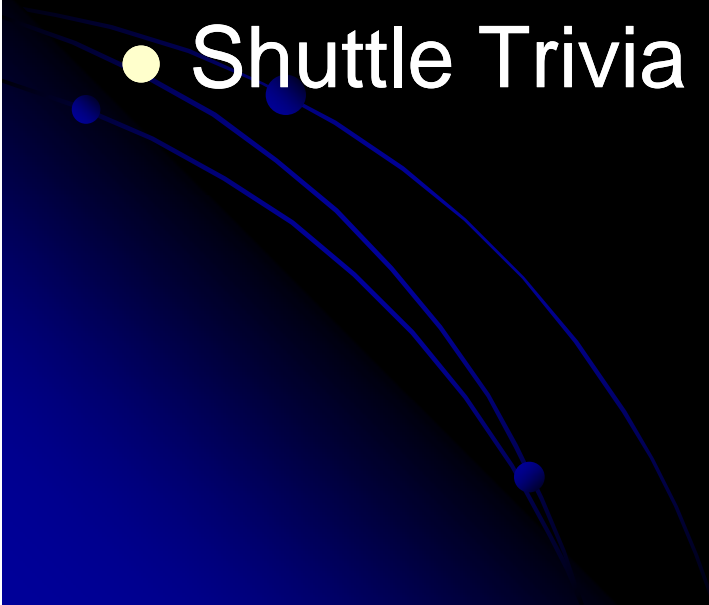
Past, Present and Future



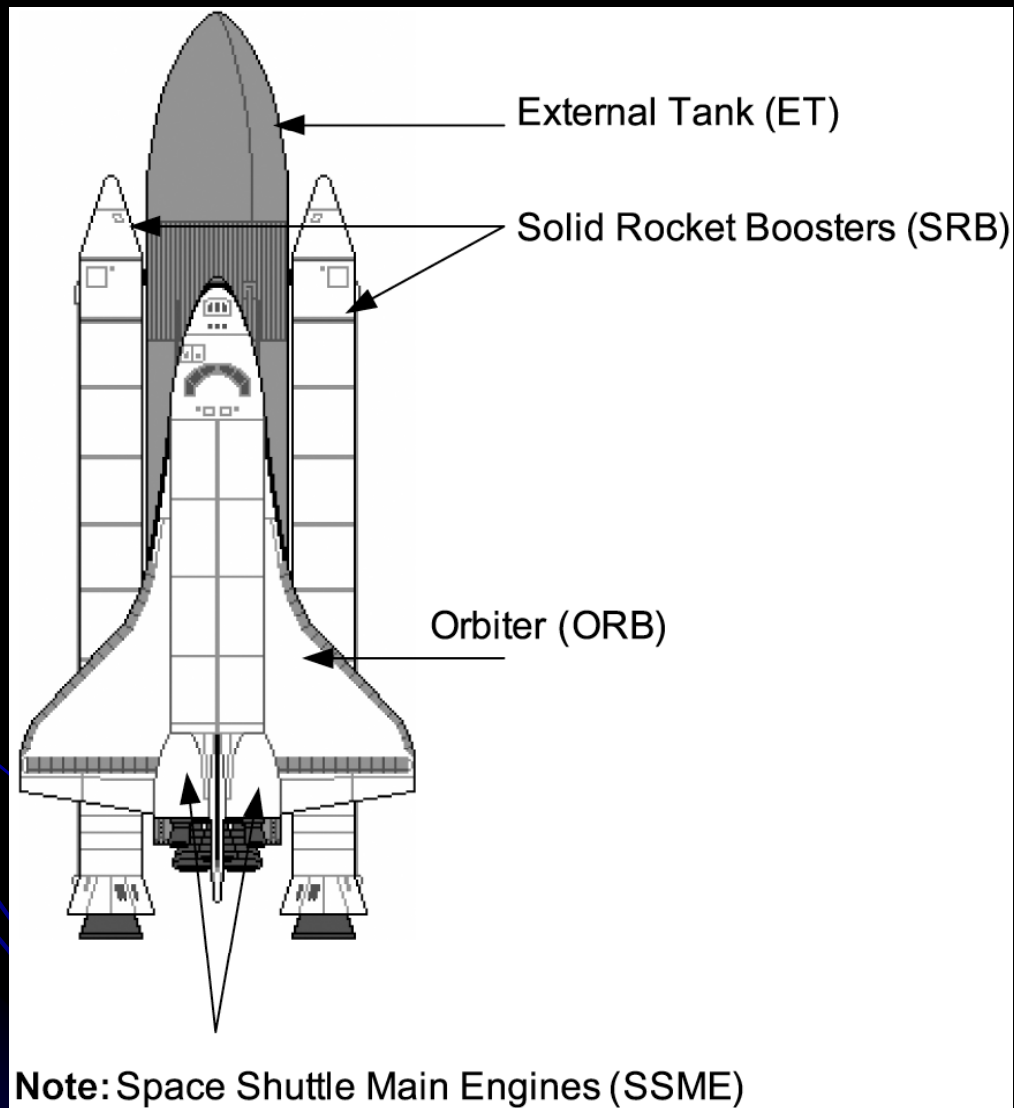
Introductions



Overview

- Personal Shuttle Stories
 - Hollywood & KSC
 - Ares 1X
 - KSC 21st Century
 - Shuttle Trivia (Q&A)
- 

Space Transportation System





STS-119 Hitchhiker



BATRONAUT





At 23:43:47.603

National Aeronautics and Space Administration



www.nasa.gov

NW-2007-12-038-JSC

November 4, 2008

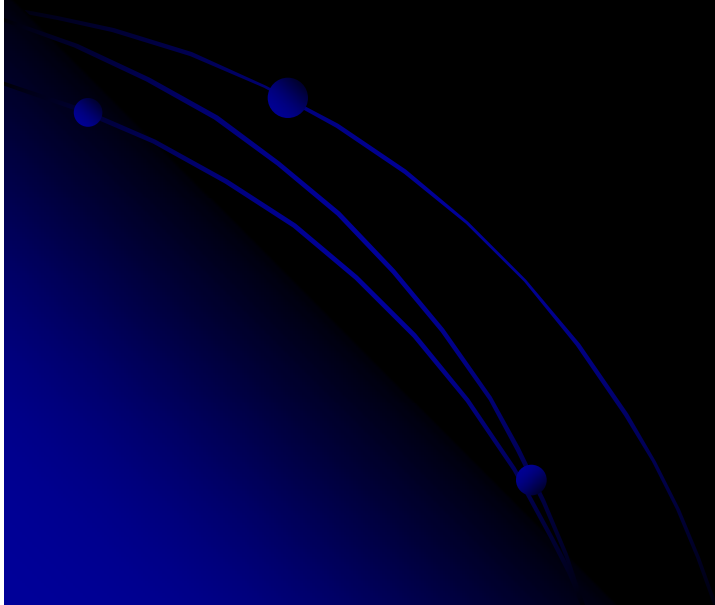






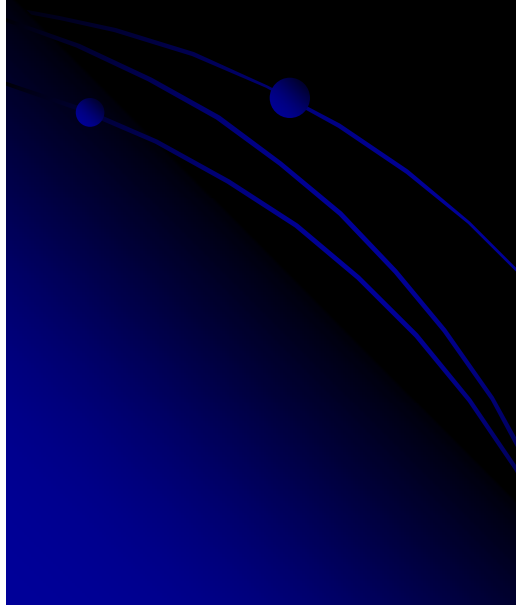
STS-132 Atlantis From the Air

May 14, 2010









STS-135 The Final Flight

July 8, 2011





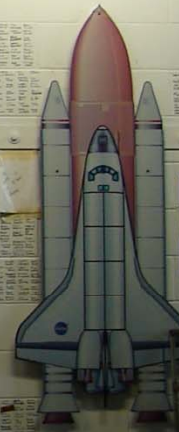


Post Launch Party





An American Treasure: The Space Shuttle



PLEASE NOTE:
This area is under video surveillance

Post Landing Party





[illegible]











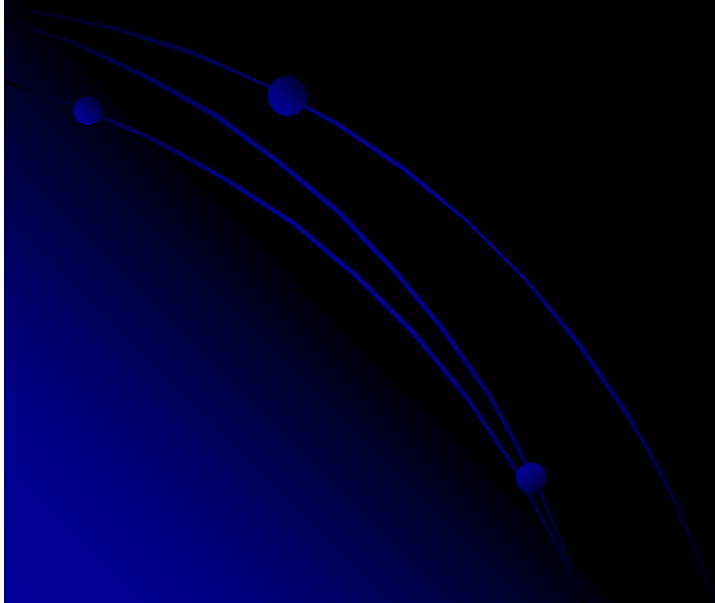
Museum Preps







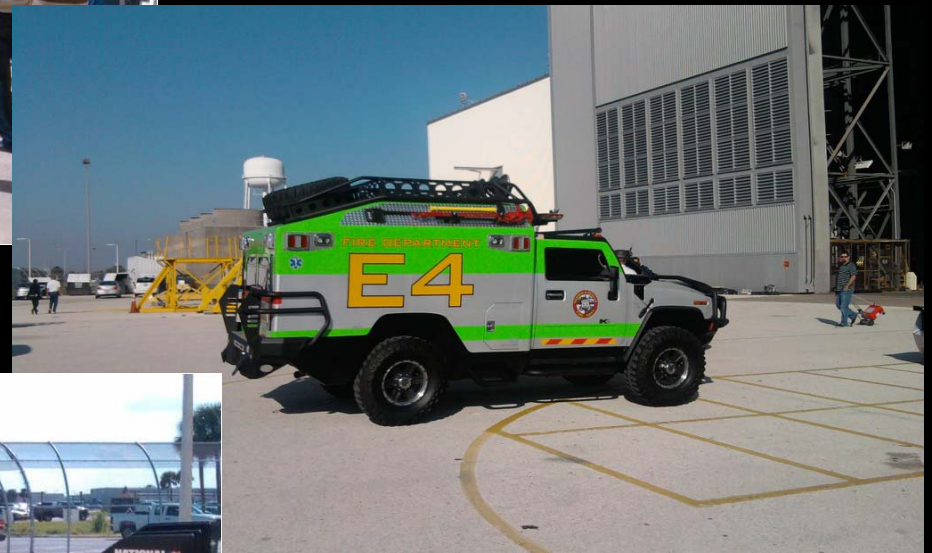
Hollywood Comes to KSC





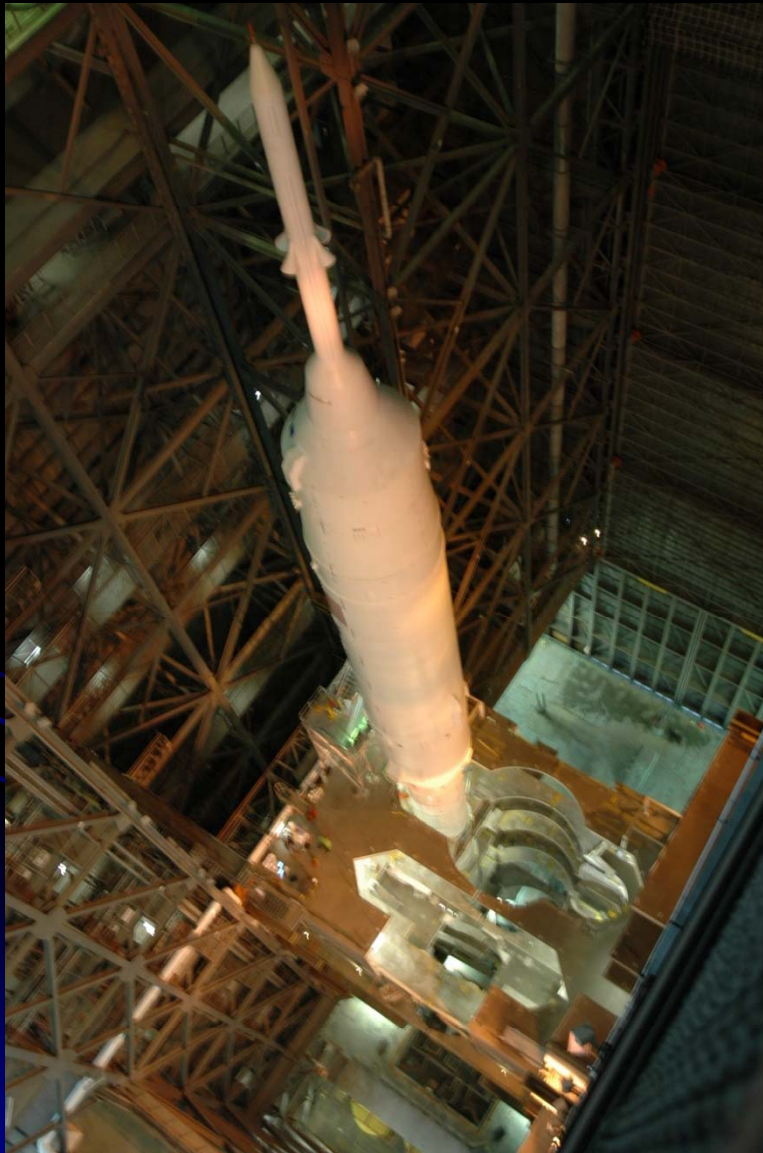








Ares 1X

A banner for the USA United Space Alliance, featuring the NASA logo and the text "Constellation Ares I-X Test Flight". The banner includes a table of Ares I-X specifications and a list of key data points to be demonstrated and collected during the test flight. The banner also features a diagram of the Ares I-X rocket and a list of key data points to be demonstrated and collected during the test flight.

USATM

United Space Alliance

National Aeronautics and Space Administration

Constellation

Ares I-X Test Flight

Significant Milestone for Ares I Crew Launch Vehicle

Ares I-X Specifications	
First Stage Thrust (Sea Level)	2,250,000 lbf
Core Stage Diameter	16 ft 10 in
Core Stage Height	48 ft 10 in
Core Stage Weight	132,000 lb
Core Stage Length	17 ft 10 in
Core Stage Diameter	16 ft 10 in
Core Stage Weight	132,000 lb
Core Stage Length	17 ft 10 in

Demonstrate and collect key data on:

- Roll and yaw vehicle control
- Staging/separation
- Vehicle integration, assembly, and launch operations
- Aerodynamic, thermal, and vehicle loads
- First Stage reentry dynamics for recovery

Utilizes Apollo-type approach of multiple support strategy to:

- Validate initial design
- Enhance early learning with integration and processing leading to America's next generation of launch vehicles

Key Data Points:

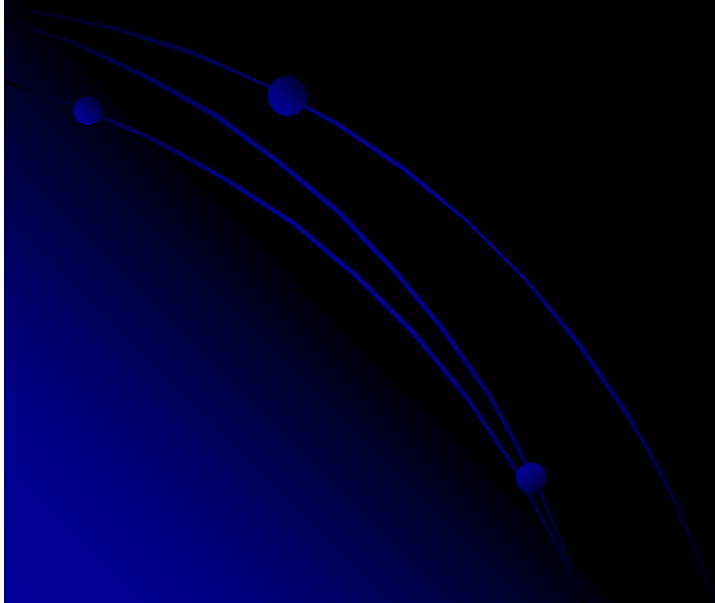
- Orion Crew Module/ Launch Abort System Simulator
- Upper Stage Simulator
- Active Roll Control System
- Active Separation System
- First Stage Simulated 5th Segment -XL - Active Avionics
- Active First Stage - Shuttle Reusable Solid Rocket Motor
- Active Thrust Vector Control

Test flight launching 2009





21st Century Launch Complex



Pad 39B







New Mobile Launcher (ML)





KSC Going Green



Upgrade Launch Systems



Space X

Sierra Nevada Corporation

